

HISTORY
COLLEGE OF MEDICINE
1959-1968

CHAPTER 11

DEPARTMENT OF
OTOLARYNGOLOGY

William M. Saunders, M. D.

TABLE OF CONTENTS

I. Introduction.....	1
II. Organization.....	2
III. Physical Facilities.....	4
IV. Teaching Programs.....	4
A. Undergraduate.....	4
B. Medical Students.....	4
C. Graduate.....	5
D. Textbooks by Staff.....	6
E. Composite of Special Faculty Activities and Mem- berships.....	7
F. Visiting Professors.....	8
V. Research.....	9
A. History.....	9
B. Purpose.....	9
C. Personnel and Project Types.....	10
D. Publications by Present Staff.....	11
E. Equipment.....	11
F. Research Funding.....	11
VI. Biographies of Personnel.....	12

I. Introduction

The history of the Department of Otolaryngology at the Ohio State University is reported in detail in two previous volumes of the college history. The present document covers the years 1959 through 1968 and will make only occasional reference to events preceding 1959.

The Department of Otolaryngology which began in 1907 under the leadership of J.E. Brown, M.D. (1907-1914) has had several chairmen through the years: Hugh Beatty, M.D. from 1914 to 1951; Russel G. Means, M.D. from 1951 to 1952; Edward Harris, M.D. from 1952 to 1961; and, William H. Saunders, M.D. from 1961 to present.

II. Organization

The Department of Otolaryngology is organized as an autonomous department in the College of Medicine with the chairman of the department responsible to the Dean. As of June 30, 1968, the departmental faculty was as follows:

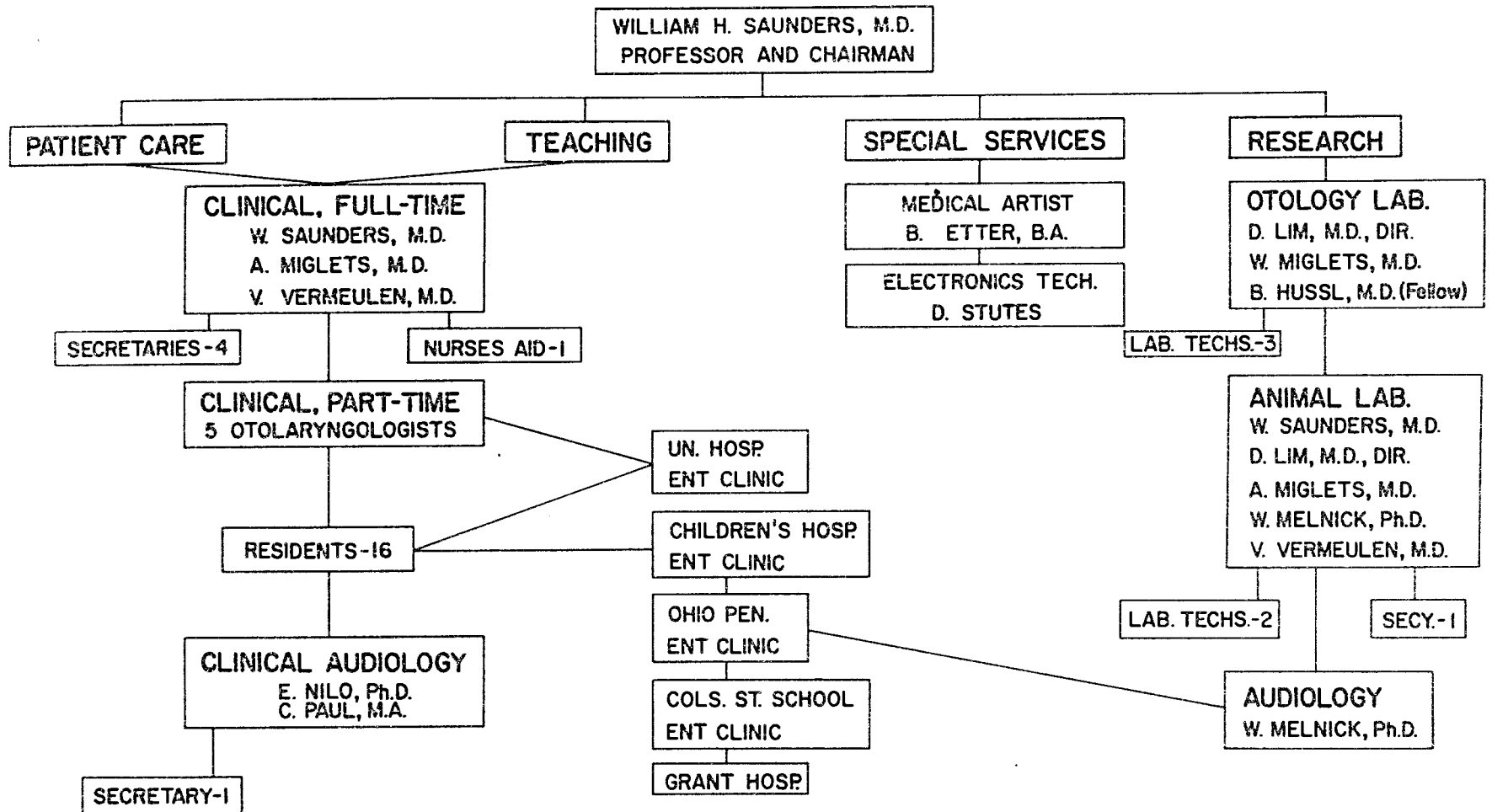
Professor Emeritus	Hugh G. Beatty, M.D.
Associate Professors Emeriti	Russel Means, M.D. T. Rees Williams, M.D.
Professor and Chairmen	William H. Saunders, M.D.
Associate Professors	Herbert G. Birck, M.D. William Miller, M.D.
Assistant Professors	John Arthur, M.D. David Lim, M.D. William Melnick, Ph.D. Ernest Nilo, Ph.D. Trent Smith, M.D.

Instructors

Howard Lowery, M.D.
Andrew Miglets, M.D.
Victor R. VerMeulen, M.D.
Leo T. Wagenbrenner, M.D.

The accompanying chart illustrates the department structure as of 1968.

DEPARTMENT OF OTOLARYNGOLOGY



III. Physical Facilities

The physical facilities provided by the College of Medicine for the department include the out-patient clinic in Starling Loving Hall; Offices for Drs. Miglets and VerMeulen (otolaryngologists) in Starling Loving Hall; The Otologic Research Laboratory (Dr. Lim and his associates) in Starling Loving Hall; and, the clinical and research audiologic facilities (Drs. Melnick and Nilo and Miss Paul) in Starling Loving Hall. In University Hospital are found the departmental offices, the private office of Dr. William H. Saunders and one audiologic chamber. There is also a resident's room in University Hospital. In Wiseman Hall is located the electronmicroscopic facilities of Dr. Lim and also an animal research laboratory.

IV. Teaching Programs

A. Undergraduate. Through the years students from the Department of Speech (Derby Hall) have worked in our audiological facilities (Starling Loving Hall) with Drs. Melnick and Nilo and obtained practical training in audiology. In addition, both Drs. Melnick and Nilo serve as part-time lecturers in the speech and hearing section of the Department of Speech.

B. Medical Students. Medical students are taught by staff members and resident physicians in the Department of Otolaryngology during the sophomore, junior and senior years. The work in the sophomore year consists of learning techniques of physical examination and other basic material. Conferences or lectures in the

last two years are concerned with clinical material and presentations of patients. A clerkship is offered during the senior year and each student electing this clerkship remains on the otolaryngology service for one full month. During that time he perfects his techniques of physical examination and works in the clinics of University and Children's Hospitals. He also attends surgery in the operating rooms and works at James Hospital (Ohio State Penitentiary) and in the offices of the attending staff.

C. Graduate. The graduate teaching program concerns resident physicians each of whom takes a four-year residency. One year of this residency training (the second year) is spent in the Department of General Surgery at the Ohio State University and the other three years in the Department of Otolaryngology. All aspects of otolaryngologic training are encompassed including microscopic surgery of the temporal bone, head and neck tumor surgery, bronchoesophagology and facial plastic surgery.

A training grant from the National Institute of Neurological Diseases and Blindness (National Institutes of Health) was granted to the department in 1962 and has been renewed each year subsequently up to the present time. The purpose of this grant is the training of the academically oriented personnel. Both Drs. Victor VerMeulen and Andrew Miglets, who are now serving as members of the staff in our department, were trained under this program. Similarly, Dr. Herbert G. Birck, Clinical Professor of Otolaryngology, who is in charge of the teaching program at Children's Hospital is a grad-

uate of our training program. The most recent award by the National Institute of Neurological Diseases and Blindness is for \$104,300.00 for the year of 1968.

The following residents have completed training in our program since 1958:

1958	Harold T. Brown, M.D. Hugh P. McClean, M.D. John K. Scott, M.D.
1959	Joachim H. Fritsch, M.D.
1960	William T. Sawyer, M.D.
1961	William Lippy, M.D.
1962	Jack Fayerman, M.D. Charles S. Giffin, M.D. Gerald D. Landau, M.D. James J. Lehmann, M.D.
1963	Samuel Adornato, M.D. Harold E. Manhart, M.D.
1964	David L. Call, M.D. Barry S. Hillman, M.D.
1965	Roy W. Jones, M.D.
1966	Earl C. Davis, M.D. Arnold Schuring, M.D.
1967	Andrew W. Miglets, M.D. John W. Ray, M.D. Victor R. VerMeulen, M.D.
1968	Robert P. Crone, M.D. E. Ronn Heiner, M.D.

One M.S. degree has been awarded - Joachim Fritsch, M.D., 1958.

D. Textbooks published by the department are as follows:

DeWeese, D.D. and Saunders, W.H., Textbook of Otolaryngology, C.V. Mosby Co., St. Louis, Third Edition 1967;

Saunders, W.H., Havener, W., Fair, C., and Hickey, J., Nursing Care in Eye, Ear, Nose and Throat Disorders, C.V. Mosby Co., St. Louis, Second Edition 1967; and,

Saunders, W.H. and Paparella, M.M., Atlas of Ear Surgery, C.V. Mosby Co., St. Louis, First Edition 1968.

E. The following is a composite of the special faculty activities and memberships for personnel in the Department of Otolaryngology as of June 30, 1968.

Consultants.

1. Communication Disorders Research Training Committee of the National Institutes of Neurological Diseases and Blindness 1961-65 - William H. Saunders, M.D.
2. Ohio State Penitentiary, James Hospital - Dr. Saunders
3. Ohio Youth Commission - Andrew Miglets, M.D. and Victor VerMeulen, M.D.
4. Veterans Administration Hospital - Dayton, Ohio - Dr. Saunders
5. Wright-Patterson Air Force Base - Dayton, Ohio - Dr. Saunders

Editorships.

1. Archives of Otolaryngology - Associate Editor - Dr. Saunders
2. Postgraduate Medicine - Associate Editor - Dr. Saunders
3. Annals of Otology, Rhinology and Laryngology - Review Board - Dr. Saunders

Societies.

1. Academy of Medicine, Columbus and Franklin County - Drs. Miglets and VerMeulen
2. Acoustical Society of America - William Melnick, Ph.D.
3. American Academy of Ophthalmology and Otolaryngology - Dr. Saunders

4. American Association for the Advancement of Science - David Lim, M.D. and Dr. Melnick
5. American College of Surgeons - Dr. Saunders
6. American Laryngological Association - Dr. Saunders
7. American Laryngology, Rhinology and Otology Society - Dr. Saunders
8. American Medical Association - Drs. Miglets, Saunders and VerMeulen
9. American Society for Head and Neck Surgeons - Dr. Saunders
10. American Speech and Hearing Association - Dr. Nilo
11. Central Ohio Speech and Hearing Association - Dr. Nilo
12. Columbus Academy of Medicine - Dr. Saunders
13. Columbus Eye, Ear, Nose and Throat Society - Drs. Miglets, Saunders and VerMeulen
14. Electron Microscopic Society of America - Dr. Lim
15. Ohio Speech and Hearing Association - Drs. Melnick and Nilo
16. Ohio State Medical Association - Drs. Miglets, Saunders and VerMeulen

F. The Department of Otolaryngology has an average of four visiting professors per year. Members of the department are also asked to serve in the capacity of visiting professors on many occasions. Dr. Saunders has been asked to speak to numerous otolaryngology departments across the country. Dr. David Lim has also served as visiting professor.

V. Research.

A. History. The Otological Research Laboratories, which are an important part of the research program in the Department of Otolaryngology, were started in 1964 under the joint leadership of Michael Paparella, M.D. and Dr. Saunders. Dr. Paparella, who joined the staff as assistant professor in 1964, was appointed as Chairman and Professor of Otolaryngology at the University of Minnesota in 1967. Dr. Paparella was succeeded as Director of the Otological Research Laboratory by David Lim, M.D. He joined the staff as instructor in 1965 and was promoted to assistant professor in 1967. In addition to serving as Director of the Otology Research Laboratories, Dr. Lim is in charge of investigations of the temporal bone using the electron microscope.

B. Purpose. The purpose of the Otological Research Laboratories is basic research in the problems of deafness and other related diseases of the ear. Three separate laboratories are involved:

- 1) Human Temporal Bone Histopathology Laboratory
- 2) Histochemical and Animal Training Laboratory
- 3) Electron Microscope Laboratory.

The Otology Research Laboratory serves as a regional center for collection of human temporal bone specimens. Its research activities are related to both human and animal microscopic temporal bone anatomy and pathology.

C. Personnel and Project Types. Ernest Nilo, Ph.D. joined the Department of Otolaryngology in 1962 as instructor. A clinical audiologist, Dr. Nilo is in charge of the division of clinical audiology. Dr. Nilo was promoted to assistant professor in 1966. He was joined on the staff in 1966 by Constance Paul, M.A., clinical audiologist. William Melnick, Ph.D., assistant professor, joined the staff in 1965 as director of audiological research.

The Department of Otolaryngology now has three full time staff men who share responsibilities of teaching, patient care and research. When Dr. Paparella left the department in 1967, Drs. Andrew Miglets and Victor VerMeulen joined the staff as instructors.

Dr. Saunders has become well known for his work with patients suffering epistaxis as the result of hereditary hemorrhagic telangiectasia and his so-called septal dermoplasty operation has been devised to relieve the nosebleeds of these patients. Dr. Herbert G. Birck has pioneered in the use of ultrasound probe for the treatment of juvenile papillomatosis in infants and young children.

In the field of temporal bone pathology and electronmicroscopy of the middle and inner ear, Dr. Lim has published extensively. He has been the first to make electronmicroscopic observations using the new scanning electronmicroscope which provides a three dimensional view of the middle and inner ear structures. This work has been widely acclaimed on an international basis.

D. Publications by Present Staff. Ninety-four papers have been published by members of the permanent and resident staffs. The following is a list of publications by year since 1958:

Year	Number of Publications
1958	5
1959	4
1960	6
1961	4
1962	6
1963	11
1964	8
1965	10
1966	9
1967	16
1968	<u>15</u>
	94 TOTAL

E. Equipment. Special equipment in the Department of Otolaryngology research facilities is as follows:

1. Two LKB Photomicroscope
2. One Zeiss Photomicroscope
3. Fully equipped micrographic darkroom
4. Autoradiographic equipment
5. Electron Microscope (on order)
6. Animal training facilities
7. Sound proof chamber
8. Three Zeiss surgical microscopes.
9. One Technicon (automatic tissue processor)
10. Three Microtomes

F. Research Funding. The following is a break down of research funds awarded to the Department of Otolaryngology since 1962:

Year	Private	General Research Support (N.I.H.)	N.I.H. Training Grant	Total
1962	\$2,078.	\$10,800.	\$18,214.	\$12,878.
1963		4,300.	102,125.	22,514.

Year	Private	General Research Support (N.I.H.)	N.I.H. Training Grant	Total
1964	\$6,875.	\$16,000.	\$102,125.	\$125,000.
1965	19,295.	28,350.	95,592.	143,237.
1966	67,390.	10,096.	101,664.	179,150.
1967	35,870.	21,990.	104,300.	162,160.
1968	<u>37,731.</u>	<u>20,936.</u>	<u>104,300.</u>	<u>162,967.</u>
	\$169,239.	\$112,472.	\$526,195.	\$807,906.

VI. Biographies of Personnel.

ARRINGTON, JERRY E.

M.D., U. of Tenn. 1932; Instr. 1940-43, 1951-56; Asst. Prof. 1956-61.

ARTHUR, JOHN E.

A.B., U. of Tenn. 1944; M.D., U. of Tenn. 1945; Instr. 1954-62
Asst. Prof. 1962-68; Assoc. Prof. 1968--

BEATTY, HUGH G.

B. Sc., Pharm., O.S.U. 1904; M.D., S.O.M.C. 1910; Instr. 1916;
Asst. Prof. 1920; Assoc. Prof. 1928; Prof. and Chr. 1929-51;
Prof. Emer. 1951--

BIRCK, HERBERT G.

B.A., U. of Freiburg 1943; M.D., U. of Heidelberg 1953; Instr. 1955-61; Asst. Prof. 1961-65; Assoc. Prof. 1965-68; Prof. 1968--

DEISHLEY, CHARLES J.

B.A., O.S.U. 1934; M.D., O.S.U. 1940; Instr. 1948; Asst. Prof. 1955-67.

EMSWILER, HERBERT D.

B.A., O.S.U. 1917; M.D., O.S.U. 1926; Instr. 1933; Asst. Prof. 1942; Assoc. Prof. 1947-61.

HARRIS, EDWARD W.

B.S., O.S.U. 1923; M.D., O.S.U. 1925; Instr. 1930; Asst. Prof. 1939; Assoc. Prof. 1950; Prof. 1953-61; Chr. 1952-61.(Died).

KRECH, WILLIAM J.

B.A., O.S.U. 1943; M.D., O.S.U. 1946; Instr. 1951; Asst. Prof. 1955-67.

LIM, DAVID W.

A.B., Yonsei U. 1955; M.D., Yonsei U. 1960; Res. Assoc. 1965; Asst. Prof. 1967--

- LOWERY, HOWARD W.
A.B., Muskingham C. 1951; M.D., O.S.U. 1955; Instr. 1961-68; Asst. Prof. 1968--
- LOWERY, JOHN M.
B.A., Muskingham C. 1935; M.D., O.S.U. 1939; Instr. 1947; Asst. Prof. 1950; Assoc. Prof. 1954-67.
- MEANS, RUSSEL G.
B. Sc., O.S.U. 1917; M.D., O.S.U. 1919; Instr. 1927; Asst. Prof. 1939; Assoc. Prof. 1947-56; Chr. 1951-52; Emer. Assoc. Prof. 1956--
- MELNICK, WILLIAM
A.B., U. of Pittsburg 1953; M.S., U. of P. 1957; Ph.D., U. of P. 1961; Asst. Prof. 1965--
- MIGLETS, ANDREW W., JR.
A.B., Hiram C. 1956; M.D., O.S.U. 1960; Instr. 1967; Asst. Prof. 1968--
- MILLER, WILLIAM J.
A.B., Valparaiso U. 1938; M.D., Indiana U. 1939; Instr. 1944; asst. Prof. 1947; Assoc. Prof. 1950--
- NILO, ERNEST R.
B.S., U. of Wisconsin 1953; M.A., U. of Maryland 1957; Ph.D. O.S.U. 1965; Instr. 1963; Asst. Prof. 1966--
- O'NEILL, JOHN J.
B. Sc., O.S.U. 1947; Ph.D., O.S.U. 1951; Asst. Prof. 1955-59.
- PAPARELLA, MICHAEL M.
B.S., U. of Michigan 1953; M.D., U. of M. 1957; Asst. Prof. 1964-67.
- ROTH, CARL W.
B.A., O.S.U. 1940; M.D., O.S.U. 1940; Instr. 1949; Asst. Prof. 1955-65.
- SANOR, DANIEL G.
B.S., O.S.U. 1919; M.D., O.S.U. 1921; Instr. 1939; Asst. Prof. 1944; Assoc. Prof. 1952-60.
- SAUNDERS, WILLIAM H.
A.B., U. of Omaha 1941; M.D., U. of Iowa 1943; Asst. Prof. 1954; Asst. Prof. 1957; Assoc. Prof. 1957-60; Prof. 1960 to present; Acting Chr. 1961-63; Chr. 1963--
- SMITH, TRENT W.
A.B., O.S.U. 1933; M.D., O.S.U. 1937; Instr. 1947; Asst. Prof. 1950-68; Assoc. Prof. 1968--

VERMEULEN, VICTOR R.

A.B., Calvin C. 1956; M.D., U. of Michigan 1960; Instr.
1967; Asst. Prof. 1968--

WEHR, RICHARD H.

B.A., O.S.U. 1931; M.D., U. of Louisville 1935; Instr.
1949; Asst. Prof. 1955-67.

WILLIAMS, T. REES

B.S., Denison U. 1908; M.D., S.O. 1912; Instr. 1923; Asst.
Prof. 1930; Assoc. Prof. 1940-51; Assoc. Prof. Emer. 1951--

INSTRUCTORS

JASYS, IRENE, M.D.: 1953-54; 1955-60.

WAGENBRENNER, LEO T., M.D.: 1965--